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DANISH N. SHAIKH

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EMPLOYMENT

<u>Software Engineer, Intern</u>	<u>Defense Research & Development Org</u>	<u>Fall 2011-Fall 2012</u>
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Automation of Mating Operation

- Worked in a team of four to create a solution to automate the mating process of a circular body .
- Worked on **Centroid detection Algorithms** .
- Implemented various **Edge Detection Algorithms and Image Filtering Algorithms**.
- Was involved in the Design, Development and Testing stages .
- Learned skills to collaboratively use **C++ and Matlab**.
- Gained strong knowledge of **OOP , Image Processing**.

<u>Graduate Teaching Assistant</u>	<u>California State University-Chico</u>	<u>Spring 2013 – Fall 2013</u>
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- Teaching Assistant for Senior Undergrad Courses(System Design, Programming Processors).
- Conducted Lab and project sessions of approx 30 students per lab.
- Was involved in **teaching** required course material along with **introduction to programming**.
- Helped clear doubts ,debug code and logic, and counsel them throughout the stages of Project Development.

EDUCATION

<u>Chico, CA</u>	<u>California State University Chico</u>	<u>Fall 2012 – May 2014</u>
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- **M.S.E. in Computer Engineering**, May 2014. **GPA: 3.3**
- Graduate Coursework: Data Structures and Algorithms ;Design and Analysis of Algorithms; Software Engineering ;Operating Systems; Computer Architecture; Introduction to Parallel Processing.
- **B.S.E. in Electronics &Tele-Communication Engineering, University of Pune** ,May 2012. **GPA: 3.5.**
- Undergraduate Coursework: Operating Systems; Data Structures and Algorithms; Digital Image Processing; Comp. Architecture; Artificial Intelligence; Computer Networks,Engineering Entrepreneurship.

TECHNICAL EXPERIENCE

Projects

- **Healthimon(Android App)**
- Developed an **Android Application in Java(Eclipse)** which is a fitness cum casual gaming app .
- Implemented online fighting via a **PHP server** where friends could fight each other.
- Implemented a small **SQLite database** on the server to store all user stats.
- Worked on **Android SDK, Java, PHP(Basic),Multi-threading,SQL**.
- **Hangman (Java Applet Game)**
- Created the Hangman game in **Java** using the ACM Libraries.
- Work included parsing of words, creating UI in **Java Swing, String manipulation** and backend development.
- **Gavelton Library(Java)**.
- Made a Java application for keeping record of a Library database using OOP, Servlets ,SQL ,Java Net Beans.
- Included parsing a large file of data for setting up database. Creating search queries on user Input and displaying the fetched results .
- **Real Time Operating System**
- Implemented a preemptive kernel that met hard deadlines while reading sensors and message passing.
- Gained knowledge in **Operating Systems, Deadlock Handling, Tasking, Scheduling**.

CO-CURRICULAR AND AWARDS

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- Represented my State Team at the **4th Junior National Football Championships(Pondicherry)**.
 - Was a member of the **Bronze medal** winning team at the 1st Youth National Football Championships.
 - Awarded The Zakir .A.Khan **Scholarship** for the best **All-Rounder in Sports**.

LANGUAGES AND TECHNOLOGIES

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- Java, C, C++,MATLAB, Android Development(Java), MVC,SQL, MY-SQL, SQLite , HTML , VHDL.
 - Windows, Android, Linux, Microsoft Visual Studio, Eclipse, Android SDK, GIT ,Simulink ,Quartas.
 - Algorithm Design & Analysis, Object Oriented Programming/Design ,Agile,Problem Solving.